UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



Region 6 Laboratory

Environmental Services Branch 10625 Fallstone Road, Houston, TX 77099 Phone: (281)983-2100 Fax: (281)983-2248

Final Analytical Report

Site NameOil Trust Fund
Sample Collection Date(s) 05/17/10
Contact Rich Mayer (6PD-F)
Report Date05/25/10
Project # 10REG161
Work Order(s)1005017

Analyses included in this report:

Oil & Grease 1664

Report Narrative

Sample Management:

This report contains the oil and grease data from the TCEQ Laboratory for samples 1005017-01 and 1005017-02. Oil and grease analysis could not be performed on samples 1005017-03 through 1005017-08 and was not requested on samples 1005017-09 and 1005017-10.. The VOA, ABN, DRO/ORO, glycols, and total metals results were previously reported.

Oil & Grease (TCEQ):

The % RPD between the LCS/LCSD was 19.5% which fell outside the control limit of <18%. The %RPD between the matrix spike and matrix spike duplicate was 1.90% which is within control limits. Matrix QC was created from a TCEQ sample. Results should be considered estimated as subsampling was required to separate the liquid matrix from a brown colored semi-solid matrix. The subsampling presented no special problems.

	quality control were followed in the analysis and oply only to the samples tested. This final report
Reporting limits are adjusted for sample size an	d matrix interference.
Report Approvals:	
Richard McMillin Region 6 Laboratory Manager	David Neleigh Region 6 Laboratory Branch Chief

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Please provide a reason for holding:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Environmental Services Branch Laboratory

10625 Fallstone Road Houston, Texas 77099

Sample Receipt and Disposal

Site Name: Oil Trust Fund	Project Number: 10REG161
Data Management Coordinator: Christy Warren	/ /
Data Management Coordinator Signature	Date
Date Transmitted:/	
Please have the U.S. EPA Project Manager/Offic comments or questions.	er call the Data Management Coordinator at 3-2137 for any
Please sign and date this form below and return is	t with any comments to:
Christy Warren Data Management Coordinator Region 6 Laboratory 6MD-HS	
Received by and Date	
Comments:	
The laboratory routinely disposes of samples 90 day hold these samples in custody longer than 90 day	days after all analyses have been completed. If you have a need to as, please sign below.
Signature	Date



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ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Sample Type	Date Collected	Date Received
T004-0001-100517-SW-1	1005017-01	Phasic	5/17/10 12:00	05/18/10 17:20
T004-100517-FB-1	1005017-02	Liquid	5/17/10 12:00	05/18/10 17:20

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Results

from

TCEQ Laboratory 5144 E. Sam Houston Prkwy N. Houston, TX 77015

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Miscellaneous Results (TCEQ)

Matrix: Liquid Batch: TCEQ

		Oil and Grease, HEM			
Laboratory ID	Station ID	mg/L	Analyte Qualifier	-	Date Analyzed
1005017-02	T004-100517-FB-1	<5	TQ04		05/21/10

Batch: TCEQ Matrix: Phasic

		Oil and Grease, HEM		G •6•	Б. 4
Laboratory ID	Station ID	mg/L	Analyte Qualifier	_	Date Analyzed
1005017-01	T004-0001-100517-SW-1	<5	TQ05		05/21/10

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			U		,	2	36		(A)	20				3		_	
	(ovler 2	Items/Reason	Special Instructions											ab#	Venice, LA	US EPAWeston	Kristie Warr
	Р	eason	structions	5		1004-100517-18-1	T004-100517-FB-1	T004-100517-FB-1	T004-100517-FB-1	T004-100517-FB-1	T004-000	T004-000	T004-000	Lab # Sample #	A	Veston	arr
Sie Le	多种	Relinquished by	Sv	(coler 2: 0;		517-18-1	517-FB-1	517-FB-1	517-FB-1	517-FB-1	T004-0001-100517-SW-1	T004-0001-100517-SW-1	T004-0001-100517-SW-1	Sample # T004-0001-100517-SW-1			
8-18-10	0840	Date	CC(PAH/I	1/brease													
17/8 anustrans/8/10 5:30	JUL 2 2484 0820	Received by	SUCC (PAH/DRO/000 (TOOH-0001-100577-5W-1) X 5	(coler 2: 011/brease (Took-0001-100517-5W-1)x3		VOA	Metals	Oil & Grease	SVOC	VOA	Metals	Oil & Grease	SVOC	Analyses			
m5/8/105	24/45	Date 1	0001-100517-5	10517-5W-1)x				rease	SVOC,PAH DRO/ORO			rease	SVOC PAH DRO/ORO	es		Lab EPA Houston Lab	CHAIN OF
96	758.	Time)×	3.		Surfa	Surfa	Surfa	Surfa	Surfa	Surfa	Surfa	Surfa	Matrix	Lab_State: TX	Lab: EPA Houston Lab	CUSTO
		Items/Reason				Surface Water	Surface Water	Surface Water	×	ΤX	ton Lah	CHAIN OF CUSTODY RECORD					
						Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grah Ciab	Collection		Sig	8
		Relinquished By	CHAII	SAME		5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010				
		Date	CHAIN OF CUSTODY #	LES TRA		12:00	12:00	12:00	12:00	12:00	12:00	12:00	12.00	Sample			No
		Received by	TODY #	SAMPLES TRANSFERRED FROM										fe .		Lab A	: T0001-
		ved by Date		DFROM		2 HOI		1 HCI	5 None	4 HO	.a c	3 HCl	12 HC	Numb Cont Preservative	Lab	Lab Address: 10625 Fallstone Rd	No: T0001-100405-05/17/10-0084
		ate Time				다.	1 HNO3	O	Vone	100	3 HNO3	None	I.C.	Preserva	Lab_Zip: 77099	allstone	7/10-00

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J. 1. 10100	son Relinquished by	Special Instructions:	1004-100517-18-1	TOOM ADDRESS TO A	T004-100517-FB-1	T004 100617 EB 1	T004-100317-FB-1	T004-0001-100517-5W-1	T004-0001-100517-SW-1	1004-0001-100517-SW-1	T004-0001-100517-SW-1	Lab# Sample#	Venice, LA	US EPA/Weston	713-985-6600
	Date Rece	(TECH-DOC) - 1205 (TECH-1005/7-T SUOC, PAH, DRO,													
Christyldum 5/8/10 5:20	Received by Date Ti	(ecler 1: VO.4 (724-0001-10517-56-1) x 12; (TOO4-100517 FB-1) x 4 (TOO4-100517-TB-1) x 3; Metals (TOO4-0001-100517-56-1) x 3 SUCC, PAH, DRO/020 (TOO4-0001-100517-56-1) x 9	VOA	WO COLO	Oll & Grease	SUC, PAH DROJORO	VOA	Metals	Oil & Grease	SVOC, PAH DRO/ORO	VOA	Analyses		- ab: E	CHAIN OF
30	Time Items/Reason	-100517 FB-1) x 1 04-0001-100517-	Surface Water	CHIIDOR ANDIEN	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Matrix	Lab_State: TX	DA Hauston Lab	CHAIN OF CUSTODY RECORD
	-	5w-1)x3	Grab	Gido	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Collection Method		Œ	5 0
	Relinquished By	SAMPI	5/17/2010	0102//1/6	5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010	Collected			
	Date	SAMPLES TRANSFERR CHAIN OF CUSTODY#	12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00	Sample Time			No: T
	Received by	SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY#	2		_	O1	4	ಬ	ω.	16	12	Numb Cont	Lab	Lab Address: 10625 Falistone Rd	No: T0001-100405-05/17/10-0084
	Date Time		2 НО	1 HNO3	1 HO	5 None	4 HCI	3 HNO3	3 HCI	16 None	12 HCI	Numb Cont Preservative	Lab_City Houston Lab_Zip 77099	5 Falistone Kd	/17/10-0084

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(voler 3	T004-000 T004-000 T004-000 T004-000 T004-000 T004-100 T004-100 T004-100 T004-100 T004-100 T004-100 T004-100	> cn _
in Reimquished by	5 5 5 5 5 7 7 7 7	lon
5/18/18 0840 5-18-10	etals (Too	
Date Received by Date \$1810 0840 5-18-10 Mint Allaugn 5/18/10 276	Matrix Collection Sample Numb Collection Sample Numb Collection Sample Numb Collection Single Numb Collection Numb C	
	Analyses VOA SVOC.PAH DRO/ORO Oil & Grease Metals VOA SVOC.PAH DRO/ORO Oil & Grease Metals VOA Metals VOA Metals VOA Metals VOA	
S so	Surface	Lab_State: TX
Items/Reason	Matrix Surface Water	CHAIN OF CUSTODY RECORD R06 Deep H2O Horizon Reporting Lab: EPA Houston Lab Lab_State: TX
	Collection Method Grab Grab Grab Grab Grab Grab Grab Grab	
Relinquished By	Collected S417/2010 S417/2	
Date	Sample Time 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00	No:
Received by	Numb Cont 12 16 3 3 3 4 4 7 1 1 1 1 2 2 2 DDY#	No: T0001-100405-05/17/10-0084 Lab Address: 10625 Falistone Rd Lab_City, Houston Lab_Zip, 77089
Date Time	Numb Cont Preservative 12 HCI 15 None 3 HCI 3 HNO3 4 HCI 5 None 1 HCI 1 HNO3 2 HCI 1 HNO3 2 HCI 1 HNO3	-05/17/10-0084 0625 Fallstone Rd Lab_City. Houston Lab_Zip: 77099

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	Poplar	Items	Special																Lab#
1		Items/Reason	Instructions:		T003-0001-	T003-0001-	T003-0001-	T003-0001-	T003-0001-	T003-0001-	T003-0001-	T003-0001-	T003-0001-	T003-0001-	T003-0001-	T003-0001-	T003-0001-	T003-0001-	Sample #
2/1-	San Check	Relinquished by	for Analy	100	T003-0001-100515-SD-1	T003-0001-100515-SD-1	T003-0001-100515-SD-1	T003-0001-100515-SD-1	T003-0001-100515-SD-1	T003-0001-100515-OD-1	T003-0001-100515-OD-1	T003-0001-100515-OD-1	T003-0001-100515-OD-1	T003-0001-100515-OD-1	T003-0001-100515-OD-1	T003-0001-100515-OD-1	T003-0001-100515-OD-1	T003-0001-100515-OD-1	
5-15-10	3/18/2010	Date	HICAL		2-B But	TCI	Di(2 sulf	2-p met	SEI	PAH, (Carbor	101	TPF	2-ethy glycol	2-B But	Di(2	2-pr met	SEE	TAL	Ana
OE:5 01/81/6-muchational	9-18-18-18-18-1100	Received by	Special Instructions Limused Quartity-Prease Condact SucheWallow	2	2-Butoxyethyl alcohol / 2- Butoxyethanol	TCL VOCs and TCL SVOCs	Di(2-ethylhexyl) sodium sulfosuccinate	2-propanol, 1-(2-butoxy-1- methylethoxyl)	SEE CHAIN	PAH , Oil & Grease, Total Organic Carbon	TCL VOCs and TCL SVOCs	TPH GRO, TPH DRO and ORO	2-ethylhexyl alcohol and Propylene glycol	2-Butoxyethyl alcohol / 2- Butoxyethanol	Di(2-ethylhexyl) sodium sulfosuccinate	2-propanol, 1-(2-butoxy-1- methylethoxyl)	SEE CHAIN	TAL Metals and Mercury	Analyses
5/8/10	5-19-10	Date	e cond			Cs		7		al Organic	Cs	d ORO	Propylene			7			
5.30	1/00	Time	act D		Sediment	Sediment	Sediment	Sediment	Sediment	Oily Debris	Oily Debris	Oily Debris	Oily Debris	Oily Debris	Oily Debris	Oily Debris	Oily Debris	Oily Debris	Matrix
		Items/Reason	MOHELL		nt Grab	nt Grab	nt Grab	nt Grab	nt Grab	ris Grab	ris Grab	ris Grab	ris Grab	ris Grab	ris Grab	ris Grab	ris Grab	ris Grab	Met
			arie		5	Ď	5	õ	Б	ъ	Б	Ь	6	6	0	0	0	9	Method
		Relinquished By			5/15/2010	5/15/2010	5/15/2010	5/15/2010	5/15/2010	5/15/2010	5/15/2010	5/15/2010	5/15/2010	5/15/2010	5/15/2010	5/15/2010	5/15/2010	5/15/2010	Collected
		Date	CHAIN OF CUSTODY #	IPLES TR		0	0	0	0	0	0	0	0	0	0				۵
		Received by	STODY#	SAMPLES TRANSFERRED FROM	09:56	09:56	09:56	09:56	09:56	09:56	09:56	09:56	09:56	09:56	09:56	09:56	09:56	09:56	Sample Time
		Date		MC															Preservative
		Time																	ive

Site #: R06DW Contact Name: Kristle Warr Contact Phone: 713-985-6636

No: T0033-100402-100515-001

Lab: U.S. EPA Region 6 Laboratory
Lab Phone: 281-983-2137

CHAIN OF CUSTODY RECORD

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						5.30	5/8/0	Christophilaun 5/18)10	17/17	The-		
	1					1800	5-18-10 April	Short .	2/18/200	A Contraction		3
Date	Received by	Date	Relinquished By		Items/Reason	Time	Date	Received by	Date	Relinquished by	Items/Reason	lten.
	STODY #	CHAIN OF CUSTODY #	옷									
	SAMPLES TRANSFERRED FROM	IPLES TRA	SAN							S	Special Instructions	Specia
	09:44		5/15/2010	Grab	g	I SI	d Propylene	2-ethylhexyl alcohol and Propylene glycol	2-eth glycol	1883-8804-180515-TAR-1	1903-000	
	09:44		5/15/2010	Grab	ଦ୍ର	$\frac{\omega}{\omega}$	tal Organic	PAH, Oil & Grease, Total Organic Carbon	Car	1003-0004-100515-TAR-1	1003-00	
	09:44		5/15/2010	Grab	0	ם	and ORO	TPH GRO, TPH DRO and ORO	TPI	T003-0004-100515-TAR-1	1003-00	
	09:44		5/15/2010	Grab	<u>o</u>	Tar	Q	TAL Metals and Mercury	TAI	1003-0004-100515-TAR-1	1003-00	
	09:44		5/15/2010	Grab	<u>o</u>	ᆲ	VOCs	TCL VOCs and TCL SVOCs	ТС	1003-0004-100515-TAR-1	1003-00	
	00:44		5/15/2010	Grab	G	Tar		SEE CHAIN	SE	1003-0004-100515-TAR-1	1003-00	
	09.25		5/15/2010	Grab		Mousse	¥-1-	2-propanol, 1-(2-butoxy-1- methylethoxyl)	2-p me	1003-0003-100515-MU-1	100-00	
	76.60		5/15/2010	Grab		Mousse	VOCs	TCL VOCs and TCL SVOCs	TC	T003-0003-100515-MU-1	T000-00	
	09:25		5/15/2010	Grab		Mousse	Ŋ	TAL Metals and Mercury	TA	T003-0003-100515-MU-1	Tags 00	
	09-25		5/15/2010	Grab		Mousse	and ORO	TPH GRO, TPH DRO and ORO	TP	T003-0003-100515-MU-1	1003-00	
	09:25		5/15/2010	Grab		Mousse	ital Organic	PAH, Oil & Grease, Total Organic Carbon	Ca	1003-0003-100515-MU-1	1003-00	
	09:25		5/15/2010	Grab		Mousse	nd Propylene	2-ethylhexyl alcohol and Propylene glycol	2-eth glyco	1003-0003-100515-MU-1	1003-00	
	09:25	10	5/15/2010	Grab		Mousse	3	Di(2-ethylhexyl) sodium sulfosuccinate	SLI	1003-0003-100515-MU-1	1003-00	
	09.25	10	5/15/2010	Grab		Mousse		SEE CHAIN	SE	T003-0003-100515-MU-1	1003-00	
Preservative	Sample Time	æd	Collected	Collection		Matrix		Analyses	Ą	#		Lab#
gion 6 La	Lab: U.S. EPA Region 6 Laboratory Lab Phone: 281-983-2137				Contact Phone: 713-985-6636	ct Phone	Conta					
72-1000	100010-1000				WG905	Site # R06DW						

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Lab # Sample #	TOUR DANS	AND TAD 1	3_Rito	vuethul alcohol / 2-		급	Gra	Grab	5/15/2010	10	09:44
70	003-0004-1	T003-0004-100515-TAR-1	2-Buto Butoxy	2-Butoxyethyl alcohol / 2- Butoxyethanol		Tar	Grab	a	5/15/20	10	
70	7003-0004-1	T003-0004-100515-TAR-1	Di(2-et sulfosu	Di(2-ethylhexyl) sodium sulfosuccinate		Tar	Grab	6	5/15/2010	10	09:44
		1	Sullvan	4 /7 hutavi 1		Tor	SYD	ň	5/15/2010	10	09:44
э	1003-0004-	T003-0004-100515-TAR-1	2-prop methyl	2-propanol, 1-(2-butoxy-1- methylethoxyl)		20	Ç		0,220	ō	, c
special In									S	AMPLES T	Ri A
	Special Instructions:								S	SAMPLES TRANSFERRED FROM	RAN
Items/R	nstructions:	Relinguished by	Date	Received by	Date	Time	ltems/Reason		SAI CH	AMPLES TO HAIN OF CO	US: RA
Items/Reason	nstructions. Reason	Relinquished by	Date Plane	Received by	Date Time	Time	ltems/Reas		S. Cinquished By	AMPLES T	S Z

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	DAN	Iten	Speci														Lab#		
5	7	Items/Reason	Special Instructions:				6	TOOK 0507	1005-9527	T005-9527	T005-9500	T005-9500	T005-9500	T005-9500	T005-9500	T005-9500	Sample #		
~2/C	Se Crist	Relinquished by					6	TOOS 9527 100517 DP 1 H	T005-9527-100517-DP-1-H	T005-9527-100517-DP-1-H	T005-9500-100517-DP-1-H	T005-9500-100517-DP-1-H	T005-9500-100517-DP-1-H	T005-9500-100517-DP-1-H	T005-9500-100517-DP-1-H	T005-9500-100517-DP-1-H			
5-18-10	2/19/20	Date					Butox	Propy	Sulfor	2-eth)	VOCs	1-(2-b	2-propanol	Propy	2-ethy	Organ	Analyses		
Christian 5/18/10	Mer	Received by					Butoxyethanol	Propylene glycol	Sulfononic Acid Salt	2-ethylhexyl alcohol	VOCs 8260B	1-(2-butoxy-1-methylethoxy)	panol	Propylene glycol	2-ethylhexyl alcohol	Organic Sulfonic Acid Salt	ses		
5/8/0	S-18-10 1100	Date										оху)				alt		Cont	CHAIN
5.30	(la	Time					2000	Dispersant	Dispersant	Dispersant	Dispersant	Dispersant	Dispersant	Dispersant	Dispersant	Dispersant	Matrix	Contact Name: Kristie Warr	CHAIN OF CUSTODY RECORD Site #: R06DW
		Items/Reason															× C	stie Warr	W RECORD
							e e	GEBD	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Collection Method		
		Relinquished By	СНА	SAM			0102010	5/1//2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010	Collected		
		Date	CHAIN OF CUSTODY #	PLES TRA															No:
		Received by	STODY #	SAMPLES TRANSFERRED FROM			16	17.25	17:25	17.25	17.25	17:25	17:25	17:25	17:25	17:25	Sample Time	Lab. U.S. EPA Region 6 Laboratory Lab Phone: 281-983-2137	No: T0033-100402-20100518-001
		Date		MC			NO.	None	None	None	None	None	None	None	None	None	Preservative	EPA Region 6 Laboratory Lab Phone: 281-983-2137	2-20100518
		Time															Ve	-2137	3-001

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SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #	SA CH	lterns/Reason	Time	Date Time	Date Received by Date Time	Reimquished by San Week	Special Instructions Special Instructions Telems/Reason Telems/Reason
		G	Dispersant		2-Butoxyethyl alcohol/ 2- Butoxyethanol,	T005-9527-100517-DP-1-LV	Т005-952
	5/17/2010		Dispersant		Propylene glycol	T005-9527-100517-DP-1-LV	T005-952
			Dispersant		Di(2-ethylhexyl) sodium sulfosuccinate	T005-9527-100517-DP-1-LV	T005-952
			Dispersant		2-ethylhexyl alcohol	T005-9527-100517-DP-1-LV	T005-952
7 E	od circu		Matrix		Analyses		Lab # Sample #

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SWANDER OF THE PROTECTOR

Environmental Protection Agency

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Notes and Definitions

TQ05 The %RPD between LCS/LCSD was 19.5% which fell outside the control limt of <18%. The %RPD

between matrix spike and matrix spike duplicate was 1.90%, which is within control limits. Matrix QC

was created from a TCEQ sample. A field duplicate (container B

TQ04 The %RPD between LCS/LCSD was 19.5% which fell outside the control limt of <18%. The %RPD

between matrix spike and matrix spike duplicate was 1.90%, which is within control limits. Matrix QC

was created from a TCEQ sample.

A This sample was extracted at a single acid pH.

HTS Sample was prepared and/or analyzed past recommended holding time. Concentrations should be

considered minimum values.

AES Atomic Emission Spectrometer

CVAA Cold Vapor Atomic Absorption

ECD Electron Capture Detector

GC Gas Chromatograph

GFAA Graphite Furnace Atomic Absorption

ICP Inductively Coupled Plasma

MS Mass Spectrometer

NA Not Applicable

NPD Nitrogen Phosphorous Detector

NR Not Reported

TCLP Toxicity Characteristic Leaching Procedure

U Undetected

Out of QC limits

Initial pressure in air analyses is the pressure at which the canister was received in psia (pounds *per* square inch absolute pressure).

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The pH reported for Volatile liquid samples was tested using a 0-14 pH indicator strip for the purpose of verifying chemical preservation.

The statistical software used for the reporting of toxicity data is ToxCalc 5.0.32, Environmental Toxicity Data Analysis System 1994-2007 Tidepool Scientific Software.

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